PATENT

Attorney Docket No.:

44684-0001 US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:

Patent application of

Howard B. Gamper, et al.

Group Art Unit:

Not Yet Assigned

Serial No.:

Not Yet Assigned

Continuation of:

09/874,720

filed June 5, 2001

Filed:

Herewith

Prior Examiner:

Richard A. Schnizer

For:

BINARY HYBRID MUTATIONAL

VECTORS

Prior Art Unit 1635

INFORMATION DISCLOSURE STATEMENT

Mail Stop PATENT APPLICATION Commissioner for Patents Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56 and in accordance with 37 C.F.R. §§1.97-1.98, submitted herewith is an accompanying substitute Form PTO-1449.

CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.10 EXPRESS MAIL Mailing Label Number: EL 931 088 761 US Date of Deposit: July 7, 2003 I hereby certify that this correspondence, along with any paper referred to as being attached or enclosed, and/or fee, is being deposited with the United States Postal Service, "EXPRESS MAIL—POST OFFICE TO ADDRESSEE" service under 37 CFR 110, on the date indicated above, and addressed to: Mail Stop Patent Application, Complissioner for Patents, Alexandria, VA 22313-1450. Signature of person mailing page: Robert Ballarini Type or print name of person

The examiner is requested to review each of the references and make them of record during the prosecution of this application as required by M.P.E.P. §609. It is requested that the Examiner initial the duplicate substitute Form 1449, and return one copy to the undersigned.

Pursuant to 37 C.F.R. § 1.98(d), copies of the references listed in the PTO Form 1449 are not enclosed, since this patent application is a continuation of application number 09/874,720, filed June 5, 2001. A copy of each listed reference is contained in the file of application number 09/874,720. Examiner should contact the undersigned if additional copies of any of the listed references are needed.

This Information Disclosure Statement should not be construed as a representation that the cited references are material or that no better art exists.

Respectfully submitted, HOWARD B. GAMPER, et al.

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Attorney for the Applicants

U.S. PATENT DOCUMENTS

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	AA	6,010,907	01/4/00	Kmiec et al.	435	455	
	AB	5,888,983	04/30/99	Kmiec et al.	514	44	
	AC	5,871,984	02/16/99	Kmiec	435	172.3	
	AD	5,795,972	08/18/98	Kmiec	536	23.1	
	AE	5,760,012	06/2/98	Kmiec et al.	514	44	·
	AF	5,756,325	05/26/98	Kmiec	435	172.3	
	AG	5,731,181	03/24/98	Kmiec	435	172.3	
	АН	5,780,296	07/14/98	Holloman et al.	435	320.1	
	AI	5,565,350	10/15/96	Kmiec	.435	172.3	
	AJ	5,334,711	08/2/94	Sproat et al.	536	24.5	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
AK	WO 95/15972	06/15/95	WO	3			
AL	449,375 A2	03/25/91	EP				
AM							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AN	Richard J. Bartlett et al., "In vivo Targeted Repair of a Point Mutation in the Canine Dystrophin Gene by a Chimeric RNA/DNA oligonucleotide," Nature Biotechnology 18:615-22 (June 2000).
AO	Tong Zhu et ál., "Engineering Herbicide-Resistant Maize using Chimeric RNA/DNA oligonucleotides," Nature Biotechnology 18:555-558 (May 2000).
AP	Benjamin E. Reubinoff, "Embryonic Stem Cell Lines from Human Blastocysts: Somatic Differentiation in vitro," Nature Parotechnology 18:399-404 (April 2000).
AØ	James A. Thomson et al., "Embryonic Stem Cell Lines Derived from Human Blastocysts," Science 282:1145-47(Nov. 16 1998).
AR	Betsy T. Kren et al., "Targeted Nucleotide Exchange in the Alkaline Phosphatase Gene of HuH-7 Cells Mediated by a Chimeric RNA/DNA Oligonucleotide," Hepatology 25(6):1462-68 (1997).
AS	Allyson Cole-Strauss et al., "Recombinational Repair of Genetic Mutations," Antisense & Nucleic Acid Drug Development 7:211-16 (1997).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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